

IAP2 Rec'd PCT/PTO 22 JUN 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Rahul MALIK, et al.

Application No.: New PCT National Stage Application

Filed: June 22, 2006

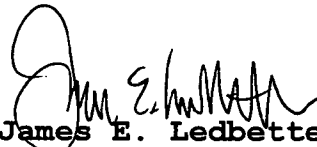
For: WIRELESS TRANSMISSION APPARATUS AND WIRELESS  
TRANSMISSION METHODINFORMATION DISCLOSURE STATEMENTAssistant Commissioner of Patents  
Washington, DC 20231

Dear Sir:

Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the art listed on the attached Form PTO 1449. Copies of the art cited in the International Search Report (ISR), which issued by the JPO, are made available to the U.S. examiner in the national stage application, pursuant to MPEP 1893.03(g), and therefore copies of such art are not submitted herewith. The art cited in the ISR is listed on the attached PTO-1449 for an indication of consideration by the examiner. Copies of any other references listed on the PTO-1449, besides those cited in the ISR, are submitted herewith. The following documents are discussed in the present application; "IEEE 802.11b-1999," at page 1, line 22, "IEEE 802.11a-1999," at page 2, line 2 and "J. ROSDALHL, et al.," at page 2, line 10 et al. US '078 corresponds to JP '218 and US '752 corresponds to JP '611.

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106. Applicants respectfully request that this art be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,



James E. Ledbetter

Registration No. 28,732

Date: June 22, 2006

JEL/spp

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FORM PTO-1449 U.S. Department of Commerce  
(Rev. 4/92) Patent and Trademark Office**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

L9289.06164

SERIAL NO. **10/584495**  
New PCT Nat'l Stage  
Application

APPLICANT

Rahul MALIK, et al.

FILING DATE

June 22, 2006

GROUP

Unassigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/NL/	2004 0 0 7 1 0 7 8	04/2004	Sudo			
/NL/	2003 0 0 6 4 7 5 2	04/2003	Adachi et al.			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
2003 3 0 4 2 1 8	10/2003	JP			
2003 3 4 8 0 4 5	12/2003	JP			
2003 1 7 9 6 1 1	06/2003	JP			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

/NL/	PCT International Search Report dated March 29, 2005.
	P. ZETTERBERG, et al.: "Performance of Multiple-Receive Multiple-Transmit Beamforming in WLAN-type Systems under Power of EIRP Constraints with Delayed Channel Estimates," in: Vehicular Technology Conference Spring 2002 IEEE 55th, May 9, 2002, vol. 4, pp. 1906-1910.
	T. NISHIMURA, et al.: "MIMO Channel deno SDMA Kudari Kaisen Beam-gata Seiho," The Institute of Electronics, Information and Communication Engineers Gijutsu Kenkyu Hokoku, Oct. 13, 2004, vol. 101, no. 371, pp. 23-30.
/NL/	Local and Metropolitan Area Networks-Specific Requirements-Part II: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications, ANSI/IEEE 802.11, 1999 Edition, August 1999, pp. 1-528.
/NL/	Local and Metropolitan Area Network Area Networks-Specific Requirements-Part II: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Higher-Speed Physical Layer Extension in the 2.4 GHz Band, IEEE Std. 802.11b-1999, Sept. 1999, pp. 1-89.
/NL/	Local and Metropolitan Area Networks-Specific Requirements-Part II: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications: High-Speed Physical Layer in the 5 GHz Band, IEEE Std. 802.11a-1999, Sept. 1999, pp. 1-14.
/NL/	J. ROSDAHL, et al.: "Draft PAR for High Throughput Study Group," doc.: IEEE802.11-02/798r7, March 2003, pp. 1-9.

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.